

LabModul 1600

Fully automatic universal test bench (modular)



Test possibilities

Masks / Demand valves / CPS

- leakage tests in pos. and neg. pressure
- Opening pressure
- Working pressure
- Activate pressure to 10 l/min
- Static positive pressure

Breathing Apparatus / SCUBA

- High pressure leakage
- Pressure gauge comparison
- Response pressure warning device
- Response pressure safety valve
- Medium pressure static
- Medium pressure dynamic to variable breathing
- Medium pressure leakage

Closedcircuit BA

- Low and residual pressure warning
- Draining and over pressure valve
- Constant dosage
- Minimum and bypass valve

Configuration

Electronic computer-controlled test bench **with** an electrically inflatable test head and **variable adjustable breathing machine** for fully automatic testing masks, breathing apparatus, SCUBA, CPS and closedcircuit-BA in low, medium and high pressure range.

Function

The mask or the demand valve is mounted on the fixed multifunction test head. The test head is inflatable with a built-in pump, so that each mask, regardless of make, fits tightly

With the built-in pump, it can be generated an air flow of ± 10 l / min for the required positive and negative pressure in the mask or demand valve. The pressure reducer is adapted to the 300 bar device connector in front of the housing. The medium pressure hoses of the SCBA and the demand valve are connected to the medium pressure ports frontside.

The high pressure air supply is stationary via high pressure connection on the left side of the test bench from 300 bar storage cylinder.

Features

Fixed-positioned full plastic head covered with natural latex "skin", mounted on plastic-coated operating panel; multi-chamber filling system by way of electric pressure / vacuum pump, 10 l/min, variable adjustable breathing machine for dynamic measurement, integrated power supply, 3 measuring sensors with an accuracy $\leq 0.5\%$ for low, medium and high pressure, medium pressure ports (EURO coupling and nipple) for demand valve and SCBA, filling port for CPS, device connector 300 bar, high pressure input with high pressure screw 6S EN ISO 8434-1, built-in microphone for testing the warning device.

The measuring and test volume is 480 ml.

The test software package **LabNet Profi** for fully automated computer operation is included. PC connection via USB port.

Accessory set with AC power cable and USB cable for PC connection, high pressure hose, input filter, seal plug and adapter for masks and demand valves with screw 40 x 1/7", DVD test software **LabNet Profi** and manual.

Specifications

Power connection: 230 V AC / 50 Hz
 Operating voltage: 24 V DC
 Protection: IP 54
 Max. current consumption: approx. 500 W
 Dimensions: W 750 x H 510 x D 540 mm
 Weight: approx. 53 kg




Art.-No. 125 160

Optional accessories

Adapters for positive pressure demand valves with screw M45x3, ESA design to DIN 58600, plug-in connectors for various makes, CPS test adapters, etc.

Barcode identification systems
 Handheld scanner with cable or wireless, with mobile receiving station for quick and easy reading barcodes directly into the test software.
 Barcode printer for printing barcode labels in different versions, directly out of the test software.

Selectable options - Supplementary equipment

<p>Option T (terminal) Operating panel with 3 LCD-displays and control elements for manual operation of the test bench. Art.-No. 125 020 (with factory retrofitting Art.-No. 122020)</p>	
<p>Option R (regulator) High pressure regulator 0 to 330 bar in front of the housing for continuously setting the input pressure Art.-No. 125 030 (with factory retrofitting Art.-No. 122030)</p>	
<p>Option COM (PC) Integrated touchscreen PC 15,6", attached to a swivel arm, tiltable in all directions, with operating system Microsoft Windows 10 and test software LabNet Profi pre-installed. Art.-No. 125 050 (with factory retrofitting Art.-No. 122050)</p>	
<p>Option + (redundancy) Device equipment with additional analogue to existing digital measurement technology, only in conjunction with option T (terminal) for extra security through redundancy. Art.-No. 125 080 (with factory retrofitting Art.-No. 122080)</p>	